

A CATALOGUE OF THE AUSTRALIAN TERTIARY FLORA

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Introduction

During the course of a study of various Tertiary plant remains, the need has been felt for a comprehensive catalogue of previous records of the Australian flora of this period. A number of such catalogues is in existence—Etheridge (41), Ettingshausen (42, 43), and Johnston (57, 64, 65)—but unfortunately they are now completely out of date. More recent lists of fossils have been drawn up by Sussmilch (110) and Paterson (94), but they are restricted to Victorian genera.

General information regarding the Tertiary flora of Australia and the location of records is available in papers by Walcott (113), Chapman (14), Sussmilch (110), and Singleton (105). Details of certain groups of plants are given by Card and Dun (9), Florin (47), Maiden (75), Chapman (18), and Cookson and Duigan (30).

In the present catalogue, species are listed with the localities at which they have been found, and a note is made of the papers in which the original descriptions occur. The International Rules of Botanical Nomenclature have been followed as far as possible when deciding upon the validity of publication of species. However, as the list is designed to provide information regarding descriptions and illustrations of the flora as a whole, some records are included which do not completely satisfy the requirements of the Rules. Many diatoms have been recorded without descriptions, illustrations or authorities, but as they have been given the names of living species, and as the material upon which the identifications have been based is very similar to that used in the determination of present day species, they have been allowed to stand.

In order that the catalogue should be complete, a second list is given of suggested identifications, which are extremely tentative or are unsupported by descriptions and illustrations. Many of these appear in papers otherwise entirely divorced from palaeobotany, and consequently some may have been overlooked. The author would be grateful for notice of any omissions, which could then be incorporated in subsequent accounts.

Arrangement of the Catalogue

The Angiosperms have been catalogued according to the system of Engler and Prantl (40), but families and genera have been arranged alphabetically in order to facilitate reference. Fritsch (48, 49) has been followed for the classification of Algae, Ainsworth and Bisby (1) for Fungi, Copeland (115) for Pteridophyta and Florin (116) for Gymnosperms.

A number on the left of a species name refers to the paper, as indexed in the bibliography, in which the first record of this species appears. Letters associated

with these numbers show the type of material on which the identifications are based—

- F. Fruit, Cone or Seed.
- I. Macroscopic Portion of Flower.
- L. Leaf.
- P. Pollen Grain or Spore.
- W. Wood.

Letters on the right of species names indicate the localities (as shown in the table below) from which the fossils have been recorded. When a number precedes one of these letters, it refers to a paper in which a record subsequent to the original one appears. '?' is used to denote any uncertainty as to whether a fossil really belongs to a given species.

In cases where the name of a species has been changed, a note of the alteration and the number of the paper in which it appears is placed after the original name. All information regarding localities, etc., is given under the new name, which is recorded independently. When any change has only been tentatively made, the suggested change is placed in brackets after the original name, and is not catalogued separately. The possible affinities of plants of uncertain systematic position are indicated in a similar manner, except in cases where the affinity is implied in the name.

List of Localities from which Fossils have been Recorded

TASMANIA		VG. Berwick	Vo. Nintingbool
TA. Beaconsfield		VH. Bogong High Plains	Vp. Ouyen
TB. Brandy Creek		VI. Boolara	Vq. Parwan
TC. Breadalbane		VJ. Bruthen	Vr. Pascoe Vale
TD. Burnie		VK. Budgerie	Vs. Pitfield
TE. Carnelian Bay		VL. Bulla	Vt. Redruth
TF. Cora Lynn		VM. Chiltern	Vu. Sentinel Rock
TG. Derby		VN. Clifton Hill	Vv. Smythe's Creek
TH. Derwent River		VO. Cobungra River	Vw. South Yarra
TI. Geilston		VP. Creswick	Vx. Stony Creek
TJ. Glenora		VQ. Dargo High Plains	Vy. Tanjil River
TK. Henty River		VR. Dargo River	Vz. Thorpdale
TL. Hobart		VS. Darlimurla	Va'. Traralgon
TM. King Island		VT. Daylesford	Vb'. Wensleydale
TN. Launceston		VU. Eganstown	Vc'. Yallourn
TO. Macquarie Harbour		VV. Eldorado	
TP. Mt. Bischoff		VW. Foster	
TQ. New Norfolk		VX. Gisborne	
TR. One Tree Point		VY. Haddon	NEW SOUTH WALES
TS. Risdon		VZ. Hazelwood	NA. Bannister
TT. Sandy Bay		Va. Hoddle's Creek	NB. Beneree
TU. Stevenson's Bend		Vb. Keilor	NC. Berridale
TV. Table Cape		Vc. Korunburra	ND. Bungonia
TW. Windmill		Vd. Lake McRorie	NE. Cooma
TX. Woody Hill		Ve. Lal Lal	NF. Dalton
TY. Locality Unspecified		Vf. Lillicur	NG. Darling Plains
		Vg. Lilydale	NH. Elsmore
		Vh. Limestone Reserve	NI. Gulgong
VICTORIA		Vi. Mallacoota Inlet	NJ. Kiandra
VA. Altona		Vj. Malmsbury	NK. Newstead
VB. Anglesea		Vk. Maryvale	NL. Orange
VC. Bacchus Marsh		Vl. Mornington	NM. Richmond River
VD. Balcombe Bay		Vm. Morwell	Nn. Rock River
VE. Ballarat		Vn. Narracan	NN. Tingha
VF. Beenak			NO. Ulladulla

NP. Vegetable Creek (Emmaville)	QH. South Pine River	SH. Lake Torrens
NQ. Warrumbungle Mts.	QI. Strathpine	SI. Moorlands
NR. Wingello	QJ. Warner	SJ. Mount Lofty Ranges
	QK. Wolston	SK. Pidinga
QUEENSLAND		SL. Tanunda
Qa. Brisbane	SOUTH AUSTRALIA	SM. William Springs
QA. Chinchilla	SA. Adelaide Plains	SN. Wyeculuna
QB. Darra	SB. Aldinga	SO. Yorke Peninsula
QC. Duaringa	SC. Cootabarlow	WESTERN AUSTRALIA
QD. Mt. Meerschaum	SD. Elizabeth Mine	WA. Albany
QE. Oxley	SE. Eyre Peninsula	WB. Cape Riche
QF. Oxley Creek	SF. Lake Frome	WC. Mount Elder Range
QG. Sherwood	SG. Lake Macdonnell	

Records of Australian Tertiary Plants

ALGAE

BACILLARIOPHYCEAE

Centrales

- 24. *Actinocyclus Barklyi* Coates, Vw.
- 24. *A. duodenarius*, Vw.
- 106. *Attheya* sp., NE.
- 4. *Campylodiscus bicostatus*, Vw.
- 24. *C. clypeus*, Vw.
- 24. *C. cribrus*, Vw.
- 24. *C. Hodgsonii*, Vw.
- 24. *C. parvulus*, Vw.
- 4. *Chaetoceros* sp. (?), Vd.
- 24. *Coscinodiscus eccentricus*, Vw.
- 24. *C. radiatus*, Vw.
- 106. *C. subconcurvus* Grum., NE.
- 106. *C. Wittianus* Pant., NE.
- 24. *Cyclotella rectangula*, Vw.
- 24. *Hyalodiscus subtilis*, Vw.
- 24. *Hydrosera triquetra*, Vw.
- 106. *Melosira granulata* (Ehr.) Ralfs, NE.
- 106. var. *angustissima* O. Mull., NE.
- 106. *M. sulcata* (Ehr.) Kutz, NE.
- 106. *M. undulata* (Ehr.) Kutz var. *spiralis* Skv., NE.
- 24. *M. sp.*, Vw.
- 9. *M. spp.*, NM, NQ.
- 24. *Orthosira marina*, Vw.

Pennales

- 24. *Achnanthes brevipes*, Vw.
- 24. *A. subsessilis*, Vw.
- 4. *Cocconeis placentula*, Vd.
- 24. *C. sp.*, Vw.
- 24. *Cocconema lanceolatum*, Vw.
- 24. *Cymbella* sp., Vw.
- 4. *Diatomella Balfouriana*, Vd.
- 4. *Diploneis elliptica*, Vd.
- 4. *D. major*, Vd.
- 4. *Epithemia gibba*, Vd.
- 24. *E. turgida*, Vw.
- 24. *E. Westernanii*, Vw.
- 4. *E. zebra*, Vd.
- 106. *Eunotia valida* Hust., NE.
- 24. *Gomphonema cymbiforme*, Vw.

- 4. *G. gracile*, Vw.
- 24. *G. lanceolatum*, Vw.
- 106. *G. longiceps* Ehr. var. *subclavata* Grun. (?), NE.
- 4. *Hantzschia amphioxys*, Vd.
- 24. *Himantidium areut*, Vw.
- 24. *H. bidens*, Vw.
- 24. *H. gracile*, Vw.
- 24. *H. undulatum*, Vw.
- 24. *Navicula Amphisbacna*, Vw.
- 4. *N. euspidata*, Vd.
- 24. *N. elliptica*, Vw.
- 4. *N. lauta*, Vd.
- 24. *N. minutula*, Vw.
- 24. *N. ovalis*, Vw.
- 24. *N. pusilla*, Vw.
- 4. *N. radiosa* var. *tenella*, Vd.
- 24. *N. tumens*, Vw.
- 73. *N. sp.* (possibly Pleistocene), Vf.
- 72. *N. sp.*, VE.
- 24. *Nitzschia* sp., Vw.
- 24. *Pinnularia acuminata*, Vw.
- 24. *P. distans*, Vw.
- 4. *P. distinguenda*, Vd.
- 4. *P. divergens*, Vd.
- 24. *P. major*, Vw.
- 24. *P. nobilis*, Vw.
- 24. *P. stauroneiformis*, Vw.
- 72. *P. viridis* (Nitz.) Ehr., VE.
- 106. var. *intermedia* Cleve (?), NE.
- 73. *P. sp.* (possibly Pleistocene), Vf.
- 24. *Pleurosigma balticum*, Vw.
- 24. *P. spp.*, Vw.
- 24. *Stauroneis acuta*, Vw.
- 106. *S. (Pleurostauron) Playfairiana* Skvort, NE.
- 24. *S. pulchella*, Vw.
- 4. *Surirella Kerguelensis*, Vd.
- 4. *S. splendida*, Vw.
- 24. *S. striatula*, Vw.
- 4. *Synedra ulna*, Vd.
- 24. *S. spp.*, Vw.
- 73. *S. sp.* (possibly Pleistocene), VE.
- 24. *Tabellaria* sp., Vw.
- 24. *Tryblionella gracilis*, Vw.
- 24. *T. marginata*, Vw.

- CHLOROPHYCEAE
 Cladophorales
 Cladophoraceae
 15. *Cladophora richmondiensis* Chap.
 (possibly Pleistocene), NM.
- RHODOPHYCEAE
 Cryptonemiales
 Coralinaceae
 31. *Lithophyllum hydractinoides*
 Crespin, Vb.
 31. *Lithothamnion amphiroaeformis*
 Roth., Vb.
 12. *L. ramosissimum* Reuss., Vp, 31Vb.
 11. *L. sp.*, TM.
- ALGAE INCERTAE SEDIS
 39. *Palacachlya perforans* Duncan, TY.
 11. *P. tuberosa* Chap., TM.
- FUNGI
- ASCOMYCETES
 Hemisphaeriales
 Micropeltaceae
 28. *Plochrompeltinites Masoni* Cookson,
 Va', NJ.
 Microthyriaceae
 28. *Astrothyrites delicatissimus*
 Cookson, Vc'.
 28. *A. minutus* Cookson, Vc', NJ.
 28. *A. ostiolatus* Cookson, Vc', ?Vu.
 28. *A. sinuatus* Cookson, Vc', VZ.
 28. *Euthyrites oleinites* Cookson,
 Vc', VZ.
 28. *Microthyriacites fimbriatus*,
 Cookson, Va'.
 28. *M. grandis* Cookson, Va'.
 28. *M. sp.* Cookson, Vc'.
 28. *Notothyrites aircensis* Cookson, Vu.
 28. *N. scitiferous* Cookson, NJ, NP.
- Trichopeltaceae
 28. *Trichopeltinites pulcher* Cookson,
 Vc', VZ.
- PTERIDOPHYTA
- EQUISITINEAE
 65.L. *Calamites Hobartensis*
 R. M. Johnst., TR.
- FILICINEAE
 Filicales
 Blechnaceae
 55.L. *Lomaria primaeva* R. M. Johnst.,
 TN, TU.
 Hymenophyllaceae
 55.L. *Trichomanides Tasmanica*
 R. M. Johnst., TC, TN, TU.
 Marsileaceae
 104.L. *Marsilea sp.* (?) Shirley (possibly
 Cretaceous), QC.
- Osmundaceae
 68.L. *Osmundia Tasmanica*
 R. M. Johnst., TK.
- Pteridiaceae
 45.L. *Acrostichum primordiale* Ett., QE.
 34.L. *Picris abbreviata* Deane, NH.
 62.L. *P. (?) Belli* R. M. Johnst., TV.
 65.L. *P. csulentiformis* R. M. Johnst.,
 TN.
 42.L. *P. Humci* Ett., NF.
 43.L. *P. Torracsii* Ett., NP.
- Schizaeaceae
 43.L. *Lygodium Strzeleckii* Ett.
 (68 *Osmunda*), NP.
- GYMNOSPERMAE
- CONIFERALES
- Araucariaceae
 43.L,F. *Agathis intermedia* (Ett.)
 Chapman and Crespin 23,
 38Vm, NP, ?23WB.
 119.L. *Araucaria balcombensis* Selling,
 VD.
 119.L. *A. derwentensis* Selling, TL.
 119.L. *A. Fltcheri* Selling, Nm.
 65.L. *A. imbricatiformis*
 R. M. Johnst., TO.
 89b.F,L. *A. Johnstoni* F.v.M.
 (47. *L. Podocarpaceae*), TI.
 65.L. *Brachyphyllum sp.* R. M. Johnst.,
 TR.
 92.W. *Dadoxylon sp.* Nobes, Vc'.
 43.L. *Dammara intermedia* Ett. = 23.
Agathis intermedia (Ett.) Chap-
 man & Crespin.
 43.L. *D. podozamioides* Ett., NP.
- Cupressaceae
 43.L. *Callitris prisca* Ett., NP.
 20.L. *C. sp.* Chap., SB.
 16.W. ? *C. sp.* Chap., Vm.
 2.W. *Cupressinoxylon Hookeri* Arber
 (47. *Podocarpaceae*), TQ.
 92.W. *C. sp.* Nobes = 74.
Podocarpoxylon totara Evans.
 117.L. *Spondylostrobos Smythii* F.v.M.,
 TA, ? 65 TN.
 90.W. = 74. *Podocarpoxylon australe*
 Krausel.
 82.F. = 102a. Dicotyledon.
 45.F,L. *Thuites Wilkinsoni* Ett.
 (47. *Callitris*), QE.
- Pinaceae
 Podocarpaceae
 43.F,L. *Pseudopinus Wilkinsoni* Ett. =
 119. *Podocarpus Wilkinsoni*
 (Ett.) Selling.
 43.L. *Dacrydium cupressinoides* Ett.,
 NN, NP.
 43.L. *Ginkgocladus australiensis* Ett.
 (47. *Phyllocladus*), NP.

- 43.L. *Heterocladiscos thujooides* Ett., NP.
 100.W. *Mesembrioxylon fluviatile* Sahni =
 74. *Phyllocladoxylon fluviatile*
 (Sahni) Krausel.
 100.W. *M. fusiforme* Sahni =
 74. *Phyllocladoxylon fusiforme*
 (Sahni) Krausel.
 2.W. ? *M. Hookeri* (Arber) Seward
 102c. = 74. *Cupressinoxylon*
Hookeri Arber.
 51.W. *M. Muellieri* (Schenk) Seward
 102c. = 74. *Phyllocladoxylon*
Muellieri (Schenk) Goth.
 92.W. *M. sp.A.* Moorlands Nobes = 74.
Podocarpoxyton totara Evans.
 92.W. *M. sp.B.* Moorlands Nobes, SI.
 92.W. *M. sp.B.* Yallourn Nobes = 74.
Podocarpoxyton australe
 Krausel.
 92.W. *M. sp.B.* Yallourn Nobes = 74.
Phyllocladoxylon Muellieri
 (Schenk) Goth.
 43.L. *Palaeocladus cuneiformis* Ett.
 (47. *Phyllocladus*), NP.
 100.W. *Phyllocladoxylon fluviatile*
 (Sahni) Krausel 74, QA.
 100.W. *P. fusiforme* (Sahni) Krausel 74,
 QA.
 102b.W. *P. Muellieri* (Schenk) Goth. 51,
 VY.
 43.L.F. *Phyllocladus asplenioides* Ett., NP.
 38.L. *P. Morwellensis* Deane, Vm.
 102b.W. *P. Muellieri* Schenk = 51.
Phyllocladoxylon Muellieri
 (Schenk) Goth.
 35.L. *P. simplex* Deane, Vu.
 90.W. *Podocarpoxyton australe*
 Krausel 74, Vy, 92Vc'.
 90.W. *P. Smythii* (F.v.M.) Kubart 74a.
 = 74. *P. australe* Krausel.
 92.W. *P. totara* Evans, Vc'.
 119.L. *Podocarpus Brotenii* Selling, TD.
 43.L.F. *P. praecupressina* Ett.,
 NP, 32NR, 94Vn.
 43.F.L. *P. Wilkinsoni* (Ett.) Selling 119,
 NN, NP.
 119.L. *P. sp.* Selling, TD.
 119.L. *P. sp.* Selling, Qa.
 Taxaceae
 65.L. *Athrotaxis* (?) *tamarensis*
 R. M. Johnst., TV.
 45.L.F. *Glyptostrobus australis* Ett., QE.
 43.L.F. *Sequoia australiansis* Ett.
 (47. *L. Podocarpus*,
 F. *Arthrotaxis*), NN, NP.
 65.F. *S.* (?) *Tasmanica* R. M. Johnst.
 (47. *Arthrotaxis*), TI.
 65.L. *Taxites Diemcensis* R. M. Johnst.,
 TV.
 61.L. *T. Thureaui* R. M. Johnst., TP.
 CONIFERALES INCERTAE SEDIS
 45.F. *Aulacolepis rhomboidalis* Ett., QE.
 65.L. *Walchia* (?) *tasmanica*
 R. M. Johnst., TV.
 CYCADALES
 43.L. *Anomozamites Muellieri* Ett., NP.
 101.W. *Cycadites Dowlingi* Scott
 (possibly Mesozoic), TN.
 60.L. *C. microphylla* R. M. Johnst.
 (47. *Podocarpaceae*), TP.
 GINKGOALES
 38.L. *Ginkgo* sp. Deane, Vm.
 ANGIOSPERMAE
 MONOCOTYLEDONAE
 Cyperaceae
 45.L. *Cyperacites ambiguus* Ett., QG.
 Gramineae
 43.L. *Bambusites arthrostylinus* Ett.,
 NP.
 65.L. *Phragmites* (?) *calamiformis*
 R. M. Johnst., TO.
 65.L. *P.* (?) sp. R.M. Johnst., TN.
 43.L. *Poacites australis* Ett., NP.
 20.L. *P. sp.* Chap., SB.
 Palmae
 45.L. Sp. Ett., QE.
 Potamogetonaceae
 45.L. *Zosterites angustifolius* Ett., QE.
 DICOTYLEDONAE
 Aceraceae
 43.L. *Acer subintegrilobum* Ett.
 (20. *Sterculia*.), NK.
 43.L. *Acer subproductum* Ett.
 (20. *Sterculia*.), NK, NP.
 65.L. *A. Tasmaniensis* R. M. Johnst., TJ.
 Apocynaceae
 43.F. *Apocynocarpon sulcatum* Ett., NP.
 33.L. *Apocynophyllum Berwickense*
 Deane, VG.
 43.L. *A. crassum* Ett., NP.
 42.L. *A. Etheridgei* Ett., NF.
 43.L. *A. Kingii* Ett., NP.
 43.L. *A. Mackinlayi* Ett. = 22.
Flindersia Mackinlayi (Ett.)
 Chap.
 42.L. *A. microphyllum* Ett., TE.
 42.L. *A. travertinum* Ett., TE.
 43.L. *A. Warburtoni* Ett., QN.
 45.L. *A. Warraghianum* Ett., QB.
 42.L. *Echitonium obscurum* Ett., TL.
 36.L. *Lyonsiacphyllum Dumi* Deane,
 NQ.
 42.L. *Tabernacmontana primigenia* Ett.,
 NF.
 Aquifoliaceae
 43.L. *Ilex Macleayana* Ett., NP.
 Araliaceae
 43.L. *Aralia elsmoriana* Ett., NK.
 43.L. *A. Freelingii* Ett., NP.

- 43.L. *A. Oxleyi* Ett. (20. *Sterculia*), NP.
 43.L. *A. prisca* Ett. (20. *Sterculia*), NP.
 42.L. *A. subformosa* Ett., QE.
 33.L. *Panacites Howitti* Deane, Vs.
 Betulaceae
 32.L. *Alnites latifolia* Deane, NR.
 42.L.F. *Alnus Maccoyi* Ett., NP, NK.
 42.L. *A. Muellerei* Ett., TE, TS.
 42.L. *Betula daltoniana* Ett., NF.
 42.L. *B. derwentensis* Ett., TE.
 54.L. *B. Launcestonensis* R. M. Johnst., TN.
 65.L. *B. punctata* R. M. Johnst., TJ.
 Bombaceae
 42.L. *Bombax Mitchelli* Ett. = 22.
 Endiandra Mitchelli (Ett.) Chap.
 42.L. *B. Sturtii* Ett., NF, 23WB.
 Boraginaceae
 42.L. *Cordia tasmanica* Ett., TS, 93Vr.
 Casuarinaceae
 43.L. *Casuarina Cookii* Ett., NP.
 45.L. *C. primaeva* Ett., QE.
 97.F. *C. sp.* Patton, Vh.
 94.L. *C. sp.* Paterson, Vn.
 Celastraceae
 42.L. *Celastrorhynchium Cunninghamsii* Ett.
 = 43. *Celastrus Cunninghamsii* Ett.
 42.L. *Celastrus Cunninghamsii* Ett., NF.
 43.L. *C. Lefroyi* Ett., NP.
 43.L. *C. praeclacnus* Ett., NP.
 43.L. *C. praeuropaeus* Ett., NP.
 45.L. *Elaeodendron priscum* Ett., QE.
 43.L. *E. subdegnier* Ett., NP.
 Ceratophyllaceae
 45.W,F. *Ceratophyllum australe* Ett., QE.
 Combretaceae
 43.I. *Getonites Wilkinsoni* Ett., NP.
 Cunoniaceae
 43.L. *Callicoma primaeva* Ett., NP.
 43.L. *Ceratopetalum Gilesii* Ett., NP.
 43.L. *C. Macdonaldi* Ett., NP.
 42.L. *C. praeacbutoides* Ett., TE.
 45.L. *C. primigenium* Ett., QB.
 42.L. *C. Woodii* Ett., TS.
 19.L. ? *Wcinmannia sp.* Chap., Vn.
 Ebenaceae
 45.F,L. *Diospyros crctacea* Ett., QB, QE.
 Elaeocarpaceae
 33.L. *Aristotelia sp.* (?) Deane, VG.
 84.F. *Elaeocarpus angularis* (F.v.M.)
 Selling 119, VV, Vv, Vy.
 42.F. *E. Bassii* Ett., TA.
 83.F. *E. Clarkei* (F.v.M.) Selling 119,
 VV, Vv, 37Vw, NL, 7NI.
 82.F. *E. Lynchii* (F.v.M.) Selling 119,
 VY, 37VW, 7NI.
 43.F,L. *E. Muellerei* Ett., NK, NP.
 20.L. *E. praecobovatus* Chap., SB.
 83.F. *E. trachyclinis* (F.v.M.) Selling
 119, VV, Vv, 7NI.
 Ericaceae
 45.L. *Andromeda australiensis* Ett., QE.
 Eucryphiaceae
 33.L. *Eucryphia Gregorii* Deane, Vs.
 Fagaceae
 42.L. *Castanopsis Benthamsii* Ett., NF.
 43.L. *Dryophyllum Howitti* Ett., NP.
 45.L. *D. Lesquereuxii* Ett., QE.
 43.L,F. *Fagus Benthamsii* Ett. = 93.
 Nothofagus Benthamsii
 (Ett.) Paterson.
 43.L. *F. cclastrifolia* Ett., NP.
 65.L. *F. Glenoraensis* R. M. Johnst., TJ.
 43.L. *F. Hookeri* Ett., NP.
 67.L. *F. Juncii* R. M. Johnst., TK.
 65.L. *F. Launcestonensis* R. M. Johnst.,
 TN.
 45.L. *F. leptocura* Ett., QE.
 33.L. *F. Luehmanni* Deane = 94.
 Nothofagus Luehmanni
 (Deane) Paterson.
 33.L. *F. Maidenii* Deane = 19.
 Nothofagus Maidenii
 (Deane) Chap.
 43.L. *F. Muellerei* Ett. = 94.
 Nothofagus Muellerei
 (Ett.) Paterson.
 32.L. *F. Pittmani* Deane, NR.
 45.L. *F. praecinnisiana* Ett., QB.
 45.L. *F. praeculmifolia* Ett., QB, QF.
 42.L. *F. risdoniana* Ett. = 22.
 Nothofagus risdoniana
 (Ett.) Chap.
 42.L. *F. Wilkinsoni* Ett. = 93.
 Nothofagus Wilkinsoni
 (Ett.) Paterson.
 33.L. *F. sp.* (?) Deane, VG.
 65.L. *F. sp.* R. M. Johnst., TN.
 43.L. *Nothofagus Benthamsii*
 (Ett.) Paterson 93.,
 ?93Vr, NK, NP, 32NR.
 33.L. *N. Luehmanni* (Deane) Paterson
 94., VG, 94VS.
 33.L. *N. Maidenii* (Deane) Chap. 19,
 VG, 94Vn, ?19Vn, ?93Vr.
 43.L. *N. Muellerei* (Ett.) Paterson 94,
 ?33VG, ?93VS, ?93Vr, NP.
 42.L. *N. risdoniana* (Ett.) Chap. 22,
 TS, 22SO.
 42.L. *N. Wilkinsoni* (Ett.) Paterson 93,
 93Vr, NF, 22SN, 23WB.
 22.L. *N. aff. Moorci* (F.v.M.) Maiden,
 SH.
 26.P. *N. sp.a. Cookson*, VD, VF, Vc,
 Vk, NP, SI.

- 26.P. *N. sp.b.* Cookson, VB, VD, VF, VI, V_k, V_z, NP, SI.
 26.P. *N. sp.c.* Cookson, VB, VD, VF, VI, V_e, V_q, V_z, NC, NP, SI.
 26.P. *N. sp.d.* Cookson, VB, VD, VF, VK, V_k, V_q, V_z, NP, SI.
 26.P. *N. sp.e.* Cookson, VA, VB, VD, VF, VI, V_q, V_k, V_z, V_c', NC, NJ, NP, SI.
 26.P. *N. sp.f.* Cookson, VA, VB, VD, VI, VK, V_k, V_c', NP, SI.
 26.P. *N. sp.g.* Cookson, VF, NP, SI.
 26.P. *N. sp.h.* Cookson, VD, SI.
 26.P. *N. sp.i.* Cookson, SI.
 26.P. *N. sp.j.* Cookson, VA, VD, VF, VK, SI.
 43.L. *Quercus Austini* Ett., NP.
 60.L. *Q. Bischoffensis* R.M. Johnst., TP.
 43.L. *Q. Blainvillii* Ett., NP.
 45.L. *Q. colophylla* Ett., QE, QF.
 43.L. *Q. Dampieri* Ett.
 (32.Sapindaceae), NP.
 42.L. *Q. Darwinii* Ett., NF, NP, 43NK.
 42.L. *Q. drymeoides* Ett., NF.
 43.L. *Q. Edclii* Ett., NP.
 45.L. *Q. eucalyptoides* Ett., QE.
 43.L. *Q. Greyi* Ett., NP.
 43.L. *Q. hapaloneuron* Ett., NP.
 43.L. *Q. Hartogi* Ett., NP.
 42.L. *Q. Hookeri* Ett., NF.
 45.L. *Q. nelsonia* Ett., QE.
 43.L. *Q. prophilippinenensis* Ett., NF.
 45.L. *Q. pseudo-chlorophylla* Ett., QE.
 45.L. *Q. rosmarinifolia* Ett., QE.
 45.L. *Q. Stokesii* Ett., QE.
 42.L. *Q. Tasmanii* Ett., TS, 65TN.
 43.L. *Q. Wilkinsoni* Ett., NN, NP.
 45.F. *Q. sp.* Ett., QE.
- Lauraceae
 45.L. *Cinnomomum Haastii* Ett., QB.
 42.L. *C. hobartianum* Ett., TL.
 42.L. *C. Leichhardtii* Ett., NF, 43NK, 32NR.
 43.L. *C. Nuytsii* Ett., NP.
 80.L. *C. polymorphoides* McCoy, 61, 64 TO, 65TU, VC, 19Vn, 32Vs, 81VQ, 42NF, 43NP.
 94.L. var. *erassa* Paterson, Vn.
 80.L. var. *major* McCoy, VC.
 38.L. *C. procvirens* Deane, Vm.
 45.L. *C. primigenium* Ett., QE, ?103QB, ?103QE.
 22.L. *C. Tatei* Chap., SM.
 42.L. *C. Woodwardii* Ett., TL.
 36.L. *Cryptocarya australis* Deane, ?94Vn, NQ.
 36.L. *C. praecoborata* Deane, 94VS, NQ.
 45.L. *Diemenia lancifolia* Ett., QE.
 43.L. *D. perscaefolia* Ett., NK.
 43.L. *D. speciosa* Ett., NK, NP.
 42.L. *Endiandra Mitchelli* (Ett.) Chap 22, 22VC, 93Vr, NF, 23WB.
 36.L. *E. praepubens* Deane, 22VC, NQ.
- 42.L. *Laurus australiensis* Ett., NF, 43NK, NP.
 45.L. *L. plutonina* Ett., QB.
 60.L. *L. Sprentii* R. M. Johnst., TP.
 80.L. *L. Werribercensis* McCoy, VC, 81VQ.
 32.L. *Litsacophyllum wingellense* Deane, NR.
 43.L. *Sassafras Lesquereuxii* Ett., NP.
- Leguminosae
 67.L. *Acacia Meiringii* R.M. Johnst., TK.
 43.L. *Cassia castanospermoides* Ett., NP.
 42.L. *C. Cookii* Ett., NF.
 45.L. *C. Etheridgei* Ett., QE.
 45.L. *C. Flindersi* Ett., TE.
 43.L. *C. phascolitoides* Ett., NP.
 45.L. *C. proe-mcmmoniana* Ett., QB.
 45.L. *C. prae-phascolitoides* Ett., QB.
 43.L. *Copaifera australiensis* Ett., NP.
 42.L. *Dalbergia Dicmenii* Ett., 65TJ, NF.
 43.L. *Dalbergiophyllum affine* Ett., NP.
 43.L. *Dolichites coriaceus* Ett., NP.
 82.F. *Geoffroya McCoyi* (F.v.M.) Sell- ing 119, VY, Vy, 7NI.
 42.L. *Leguminosites Kennedyi* Ett., NF.
 45.L. *L. pachyphyllum* Ett., QE.
 45.L. *Podalyriophyllum brochidodromum* Ett., QE.
 43.L. *Podogonium macrocarpum* Ett., NP.
- Loganiaceae
 94.F. *Strychnos* sp. Paterson, Vn.
- Loranthaceae
 43.L. *Loranthus Kennedyi* Ett., NP.
- Magnoliaceae
 32.L. *Drimys levifolia* Deane, ND.
 36.L. *D. sp.* Deane, Vs.
 42.L. *Magnolia Brownii* Ett., NF, 22SJ, 22SF.
 93.L. *M. microphylla* Paterson, Vr.
 42.L. *M. Torresi* Ett., NF.
 104.L. *M. sp.* (?) Shirley (possibly Cretaceous), QC.
- Malpighiaceae
 43.L. *Banisteriophyllum oustraliense* Ett., NN, NP.
 45.L. *B. crctaceum* Ett., QB.
 43.L. *Malpighiastrum Babbagei* Ett., NK.
 45.L. *M. crctaceum* Ett., QB.
- Meliaceae
 32.L. *Cedroclophyllum antiqua* Deane, NR.
- Menispermaceae
 87.F. *Rhithocaryon Wilkinsoni* F.v.M. (119), NB, NL, 119TA.
- Monimiaceae
 33.L. *Atherosperma Berwickense* Deane, VG.

- 33.L. *Daphnandra obliqua* Deane, VG.
 33.L. *D. Schreynei* Deane, Vs.
 33.L. *Hedycarya latifolia* Deane,
 VG, 94Vn, ?19Vn, 22SD.
 43.L. *H. Wickhami* Ett., NP.
 33.L. *Mollinedia heliciooides* Deane, VG.
 33.L. *M. Muellerei* Deane, Vs, ?19Vn.
 33.L. *M. praelongipes* Deane, VG.
 45.L. *Monimia prae-vestita* Ett., QE.
 43.L. *M. vestita* Ett., NP.
- Moraceae
- 43.L. *Artocarpidium Gregoryi* Ett.,
 NK, NP.
 45.L. *A. pseudo-cretaceum* Ett., QB.
 43.L. *A. Stuartii* Ett. = 22.
Ficus Stuartii (Ett.) Chap.
 93.L. *Ficonium nitidum* Paterson, Vr.
 42.L. *F. Solandri* Ett., 19Vn, NF, 20SB.
 65.L. *F. (?) solandroides* R. M. Johnst.,
 TO.
 43.L. *Ficus Burkei* Ett., NP.
 43.L. *F. Gidleyi* Ett., NP.
 45.L. *F. Ipswichiana* Ett., QB.
 43.L. *F. Phillipsii* Ett., NP.
 43.L. *F. Solanderi* Ett., NP.
 43.L. *F. Stuartii* (Ett.) Chap. 22, NP.
 104.F. *F. subgoepperti* Shirley (possibly
 Cretaceous), QC.
 103.L. *F. subsycamorus* Shirley, QE.
 43.L. *F. Willsii* Ett., NP.
 104.L. *F. (?)* sp. Shirley (possibly
 Cretaceous), QC.
- Myricaceae
- 42.L. *Myrica Eyrei* Ett., TE.
 43.L.F. *M. Konincki* Ett., NK, NP.
 45.L. *M. pseudolignitum* Ett., QB, QE.
 43.L. *M. pseudosalix* Ett. (36. *Myrsine*),
 NP, 36NQ.
 103.L. *M. subsalicina* Shirley, QE.
 45.L. *Myricophyllum longepetiolatum*
 Ett., QG.
- Myrsinaceae
- 43.L. *Myrsine Stokesii* Ett., NP.
- Myrtaceae
- 43.L. *Callistemophyllum Beckeri* Ett.,
 NP.
 43.L. *C. Hackii* Ett., NP.
 43.L. *C. obliquum* Ett., NP.
 43.L. *C. Swindenii* Ett., NP.
 33.L. *Eucalyptus Chapmani* Deane 75,
 VG.
 45.L. *E. cretacea* Ett., QB, QE.
 45.L. *E. Davidsoni* Ett., QE.
 42.L. *E. Delftii* Ett., NF.
 43.L. *E. Dicmenii* Ett., NP, 22SH.
 43.L. *E. Hayi* Ett., NP.
 33.L. *E. Hermani* Deane, VG.
 43.L. *E. Houtmanni* Ett.,
 ?33VG, NP, 22SM.
 33.L. *E. Howitti* Deane, VG.
- 60.L. *E. Kayseri* R. M. Johnst., TP.
 33.L. *E. Kitsoni* Deane, VG, 93Vr,
 94VS, ?19Vn, 22SD, 22SH.
 13.W. *E. meliodora* Cunn., VJ.
 61.L. *E. Milligani* R. M. Johnst., TO.
 43.L. *E. Mitchellii* Ett., 33VG, NP,
 22SD.
 33.L. *E. Muclleri* Deane = 75.
E. Suttoni Deane.
 45.L. *E. oxleyana* Ett., QE.
 13.W. *E. piperita* Sm., Vi.
 80.L. *E. Pluti* McCoy, VT.
 33.L. *E. praecoriacea* Deane
 (95. ? *Eucalyptus*), Vi.
 45.L. *E. scoliophylla* Ett., QE.
 33.L. *E. Suttoni* Deane 75, VG.
 45.L. *E. warraghiana* Ett., QB.
 33.L. *E. Woollsii* Deane = 75.
E. Chapmani Deane.
 10.L. *E. aff. amygdalina* Labill, Vt.
 95.L. *E. sp.* Patton, VL.
 96.L. *E. spp.* Patton, Vx.
 43.L. *Myrtonium lanceolatum* Ett., NP.
 43.L. *M. obtusifolium* Ett., NP.
 45.L. *Myrtophyllum latifolium* Ett., QE.
 22.L. *Tristania praeconferta* Chap., SD.
 38.L. *T. sp. (?)* Deane, Vm.
 33.L. *Tristanites angustifolia* Deane,
 VG, 19Vn, 94Vn.
 33.L. *T. Muellerei* Deane, VG, ?94Vn.
- Oleaceae
- 43.L. *Olea Macintyreii* Ett., NP.
 27.L. *Olemites crenulata* Cookson, SI.
 27.L. *O. Willisii* Cookson, VZ, Vc'.
- Piperaceae
- 43.L. *Piper Feistmantlii* Ett., NK.
- Pittosporaceae
- 33.L. *Pittosporum praeundulatum* Deane,
 Vs.
 42.L. *P. priscum* Ett., NF.
- Proteaceae
- 38.L. *Banksia adunca* Deane, Vm.
 43.L. *B. Blaxlandi* Ett., NP.
 43.L. *B. Campbellsii* Ett., NP.
 45.L. *B. crenata* Ett., QE.
 45.L. *B. cretacea* Ett., QE.
 38.L. *B. fastigata* Deane = 30.
Banksiacacphyllum fastigatum
 (Deane) Cookson and Duigan.
 43.L. *B. Howelli* Ett., NP.
 43.L. *B. lancifolia* Ett., 61TJ, NP.
 43.L. *B. Lawsoni* Ett., NP.
 43.L. *B. myricacfolia* Ett., NP.
 45.L. *B. plagioneura* Ett., QE.
 43.L. *B. Poolii* Ett., NP.
 22.L. *B. praegrans* Chap., SD.
 45.L. *B. sub-longifolia* Ett., QE.
 10.L. *B. cf. marginata* Cav., Vt.
 30.F. *B. sp.* Cookson and Duigan, VV.

- 30.F. *B. sp.* Cookson and Duigan, Vc'.
 65.W. *B. sp.* R. M. Johnst., TC.
 29.P. *Banksiaecaidites elongatus* Cookson, Vc'.
 29.P. *B. minimus* Cookson, Vc'.
 30.L. *Banksiaephyllum acuminatum* Cookson and Duigan, Vc'.
 30.L. *B. angustum* Cookson and Duigan, Vc'.
 38.L. *B. fastigatum* (Deane) Cookson and Duigan 30, Vc'.
 30.L. *B. laeve* Cookson and Duigan, Vc'.
 30.L. *B. obovatum* Cookson and Duigan, Vc'.
 30.L. *B. pinnatum* Cookson and Duigan, Vc'.
 29.P. *Beaupreaidites elegansiformis* Cookson, VC, Va, Vc', NP, SG, SI.
 29.P. *B. verrucosus* Cookson, VC.
 45.L. *Conospermites linearifolius* Ett., QE.
 43.L. *Dryandra Benthami* Ett., NP.
 43.L. *D. praeformosa* Ett., NP.
 38.L. *D. urniformis* Deane, Vm.
 42.L. *Dryandroides Johnstonii* Ett., TE.
 34.L. *Grevillea darlingioides* Deane, NP.
 45.L. *G. Oxleyana* Ett., QE.
 43.L. *G. proxima* Ett., NP.
 43.L. *G. Wentworthii* Ett., NP.
 22.L. *Hakea ambigua* Meissn., SD.
 43.L. *H. Duttoni* Ett., NP.
 42.L. *Knightia daltoniana* Ett., NF.
 33.L. *Lomatia Bosistoides* Deane, VG.
 43.L. *L. Brownii* Ett., ?93Vr, 94Vn, NP, 32NR.
 43.L. *L. castaneaefolia* Ett., NP.
 33.L. *L. dubia* Deane, VG.
 43.L. *L. Evansii* Ett., NP.
 43.L. *L. Finnisii* Ett., NP.
 43.L. *L. Goyderi* Ett., NP.
 22.L. *L. Mawsoni* Chap., SE.
 33.L. *L. obscura* Deane, VG.
 33.L. *L. perspicua* Deane, VG, ?22SD.
 42.L. *L. praelongifolia* Ett., TE, 38Vm.
 33.L. *L. reticulata* Deane, VG, ?94Vn.
 65.L. *L. ? Tasmaniae* R. M. Johnst., TC.
 35.L. *Persoonia cuneata* Deane, Vu, ?22SM.
 43.L. *P. Murrayi* Ett., NP.
 32.L. *P. propinqua* Deane, ND.
 94.F. *P. sp.* Paterson, Vn.
 29.P. *Proteacidites adenanthoides* Cookson, Vb', NP, SC.
 29.P. *P. annularis* Cookson (*Lambertia, Xylomelum*), VC, VD, Va, Ve, Vb', Vc', NP, SC, SI.
 29.P. *P. callosus* Cookson, SI.
 29.P. *P. crassus* Cookson, VB, SC, SI.
 29.P. *P. grandis* Cookson, Vb'.
 29.P. *P. incurvatus* Cookson, VB, Vb', SI, SK.
 29.P. *P. obscurus* Cookson, VD, Vc', SI.
 29.P. *P. parvus*, Cookson, NP.
 29.P. *P. rectomarginis* Cookson (*Petrophila*), VC.
 29.P. *P. reticulatus* Cookson, SI.
 29.P. *P. symphyonemoides* Cookson, VD, Vc'.
 29.P. *P. truncateus* Cookson (*Isopogon*), Vc'.
 29.P. *P. tuberculatus* Cookson, VC, Vc'.
 45.L. *Proteoides australiensis* Ett, QE.
 43.L. *Rhopala Parryi* Ett., NP.
 43.L. *R. sapindifolia* Ett., NP.
 45.L. *Rhopalophyllum australe* Ett., QB, QE.
 Ranunculaceae
 45.F. *Debeya affinis* Ett., QB, QE.
 45.L. *D. australiensis* Ett., QB.
 Rhamnaceae
 43.L. *Pomaderris Banksii* Ett., NP, ?20SB.
 42.L. *Pomaderrites Banksii* Ett., 93Vs, NF.
 Rubiaceae
 42.L. *Coprosma praecuspifolia* Ett., TE.
 35.L. *Coprosmaephyllum angustifolium* Deane, Vu.
 35.L. *C. attenuatum* Deane, Vu.
 22.L. *C. Edmondsi* Chap., SA.
 36.L. *C. Kitsoni* Deane, NQ.
 35.L. *C. minus* Deane, Vu.
 35.L. *C. ovatum* Deane, Vu.
 32.L. *Psychotriphyllum attenuatum* Deane, NR.
 Rutaceae
 43.L. *Boronia Harrisii* Ett., NP.
 43.L. *B. Hookeri* Ett., NP.
 42.L. *Flindersia Mackinlayi* (Ett.) Chap. 22, NP, 22SH.
 Salicaceae
 42.L. *Salix Cormickii* Ett., TL.
 Santalaceae
 43.L. *Santalum Frazeri* Ett., NP.
 Sapindaceae
 43.L. *Cupanites Selwyni* Ett., NK, NP.
 33.L. *Nephelites Berwickense* Deane, VG.
 32.L. *N. denticulata* Deane, ND.
 32.L. *N. equidentata* Deane, NR.
 32.L. *N. ovata* Deane, NR.
 33.L. *N. quercifolia* Deane, VG.
 33.L. *N. Ulriehi* Deane, Vs.
 43.L. *Sapindus Gossei* Ett., NK, NP.
 103.L. *S. Oxleyensis* Shirley, QE.
 42.L. *S. tasmanicus* Ett., TH.
 Sapotaceae
 42.L. *Sapotacites aehrasoides* Ett., TE.
 43.L. *S. Forresti* Ett., NP.

- 43.L. *S. Huntii* Ett., NP.
 42.L. *S. oligoncuris* Ett., TE, 62TV.
 Saxifragaceae
 32.L. *Argophyllites levis* Deane, NR.
 33.L. *A. parvifolia* Deane, Vs.
 36.L. *Anopteris Pittmani* Deane, NQ.
 43.L. *Trachyphyllum myosotinum* Ett., NP.
 43.L. *T. obtusum* Ett., NP.
 Sterculiaceae
 94.L. cf. *Brachychiton populneus* R.Br., Vn.
 33.L. *Commersonia* sp. (?) Deane, VG.
 19.L. *Sterculia Gippislandica* Chap., Vn, 94Vn, ?94VS.
 19.L. *S. Hauschildti* Chap., Vn, ?20SB.
 33.L. *S. Muelleri* Deane, Vs.
 22.L. *S. (?)* Chap., NG.
 Tiliaceae
 32.L. *Corchorites circulata* Deane, NR.
 45.L. *Etheridgea subglobosa* Ett., QE.
 Ulmaceae
 43.L. *Ulmophyllum oblongum* Ett., NP.
 60.L. *Ulmus Tasmanicus* R. M. Johnst., TP.
 Verbenaceae
 20.L. cf. *Clerodendron* sp. Chap., SB.
 42.L. *Premna Drummondii* Ett., TE.
 SPECIES INCERTAE SEDIS
 88.F. *Acrocoila anodonta* F.v.M., NI.
 33.F. *Carpolithes acaciaeformis* Deane, Vs.
 43.F. *C. amaranthaceus* Ett., NK.
 45.F. *C. complanatus* Ett., QE.
 65.F. *C. coniferoides* R. M. Johnst., TU.
 65.F. *C. Dertwentensis* R. M. Johnst., TR.
 45.F. *C. epacridoides* R. M. Johnst., QE.
 45.F. *C. fagiformis* Ett., QE.
 42.F. *C. gaertnerioides* Ett., TH.
 64.F. *C. (?) Geissii* R. M. Johnst., TJ.
 43.F. *C. morisoniaciformis* Ett., NK.
 65.F. *C. Perrinii* R. M. Johnst., TO.
 43.F. *C. pygmaeoides* Ett., NK.
 42.F. *C. risdonianus* Ett., TS.
 45.F. *C. semisulcatus* Ett., QE.
 45.F. *C. siliculaeformis* Ett., QE.
 65.F. *C. Strahanensis* R. M. Johnst., TO, ?33VC.
 65.F. *C. ulmiformis* R. M. Johnst., TC.
 65.F. *C. ulmiformis* R. M. Johnst., TR.
 43.F. *C. wetherellioides* Ett., NK.
 82.F. *Cclyphina McCoyi* F.v.M. = 119. *Geoffroya McCoyi* (F.v.M.) Selling.
 90.F. *Couchocaryon Smithii* F.v.M. (Proteaceae), NI.
 83.F. *Coucotheca rotundata* F.v.M. (Proteaceae), 65TN, Vo.
 84.F. *C. turgida* F.v.M. (Proteaceae 37. Sapindaceae), 59TA, 58TC, 63TA, 63TI, Vo, 37VW, 114Vy, 52SL.
 84.F. *Dieune pluriovulata* F.v.M. (Capparidaceae, Pittosporaceae), VY, 7NI.
 88.F. *Eisothecaryon semiseptatum* F.v.M. (Olacineae), NI.
 88.F. *Illicites astrocarpa* F.v.M. (Magnoliaceae), NI.
 89.F. *Liversidgea oxyspora* F.v.M. (Bixaceae, Capparidaceae, Guttiferae, Rutaceae), NM.
 88.F. *Ochthodocaryon Wilkinsoni* F.v.M. (65. Capparidaceae), NI.
 83.F. *Odontocaryon Macgregorii* F.v.M., Vo, 7NI.
 100.W. *Pataloxylon porosum* Sahni, QK.
 100.W. *P. scalariforme* Sahni, QD.
 88.F. *Pentacoila Gulgongensis* F.v.M. (65. Sapindaceae), NI.
 59.F. *Penteunc Allportii* F.v.M. (119. *Elaeocarpus*), TI.
 83.F. *P. brachyclinis* F.v.M. (Sapindaceae, Meliaceae, 119. *Elaeocarpus*), Vv, 7NI, 52SL.
 83.F. *P. Clarkei* F.v.M. = 119. *Elaeocarpus Clarkei* (F.v.M.) Selling.
 83.F. *P. trachyclinis* F.v.M. = 119. *Elaeocarpus trachyclinis* (F.v.M.) Selling.
 65.L. *Phyllites aceriformis* R. M. Johnst., TN.
 65.L. *P. acicularis* R. M. Johnst., TN.
 45.L. *P. actinoneuron* Ett., QE.
 65.L. *P. asteriformis* R. M. Johnst., TN.
 65.L. *P. Atkinsoni* R. M. Johnst., TV.
 65.L. *P. Bclsteadii* R. M. Johnst., TV.
 65.L. *P. Bredalbanensis* R. M. Johnst., TC.
 65.L. *P. Buttonii* R. M. Johnst., T.C.
 65.L. *P. ceuarrheniformis* R. M. Johnst., TV.
 65.L. *P. cuneatiformis* R. M. Johnst. (47. *Libocedrus*), TR.
 42.L. *P. ficiformis* Ett., TE.
 65.L. *P. Fraxiniiformis* R. M. Johnst., TV.
 33.L. *P. Gregorii* Deane (Proteaceae), VG.
 42.L. *P. juglandiformis* Ett., TE.
 65.L. *P. lauecolatus* R. M. Johnst., TJ.
 42.L. *P. ligustroides* Ett., TE.
 65.L. *P. Milligani* R. M. Johnst., TC.
 42.L. *P. mimosaeformis* Ett., TE.
 65.L. *P. myrtiformis* R. M. Johnst., TN.
 68.L. *P. olcaciformis* R. M. Johnst., TJ.
 65.L. *P. oreodaphnioides* R. M. Johnst., TN.
 42.L. *P. phaseolites* Ett. (*Kennedyia*), TE.

- 65.L. *P. pomaderriformis* R. M. Johnst., TJ.
 42.L. *P. populiformis* Ett., TE.
 65.L. *P. prac-populiformis* R. M. Johnst., TJ.
 65.L. *P. proteaefiformis* R. M. Johnst., TV.
 42.L. *P. pyriformis* Ett., TE.
 68.L. *P. salicifolium* R. M. Johnst., TJ.
 65.L. *P. serratifolium* R. M. Johnst., TP.
 42.L. *P. sophoraeformis* Ett., TE.
 65.L. *P. Taylorii* R. M. Johnst., T.P.
 65.L. *P. teliodontatus* R. M. Johnst., TJ.
 65.L. *P. Waratahensis* R. M. Johnst., TP.
 65.L. *P. Wintlei* R. M. Johnst., TN.
 65.L. *P. Wynyardensis* R. M. Johnst., TV.
 30.L. *P. yallournensis* Cookson and Duigan, Vc'.
 84.F. *Phymatocaryon angulare* F.v.M. = 119. *Elaeocarpus angularis* (F.v.M.) Selling.
 88.F. *P. bivalve* F.v.M., NI.
 82.F. *P. Mackayi* F.v.M. (37. *Elaeocarpus*), VY, 37VW NL, 7NI, 52SL.
 84.F. *Platycoila Sullivani* F.v.M. (Proteaceae), 58TA, Vo, Vy, 7NI.
 88.F. *Pleiacron elachocarpum* F.v.M., NI.
 118.F. *Pleioclinis Couchmanni* F.v.M. (Sapindaceae), VY, Vo.
 83.F. *P. Shepherdi* F.v.M., Vo, ?65TC.
 88.F. *Plesiocapparis leptocelyphis* F.v.M., (Capparidaceae), 59TE, 59TR, 63TA, 63TI, NI.
 116.F. *P. megasperma* F.v.M., NI.
 82.F. *P. prisca* F.v.M., VY, 7NI.
 59.F. *Rhitidotheca Johnstonii* F.v.M. = 42. *Elaeocarpus Bassii* Ett.
 82.F. *R. Lynchii* F.v.M. = 119. *Elaeocarpus Lynchii* (F.v.M.) Selling.
 37.F. *R. major* Deane, VW.
 83.F. *R. pleioclinis* F.v.M. = 118. *Pleioclinis Shepherdi* F.v.M.
 42.F. *Sapindostrobus dubius* Ett., NP.
 82.F. *Spondylostrobus Smythii* F.v.M. (*Callitris*, 74. Dicotyledon 119. Burseraceae), 56TB, 58TA, 58TC, VV, VY, Vy, NL, 7NI, 52SL.
 82.F. *Trematocaryon McLellani* F.v.M. (Verbenaceae), VV, VY, 7NI.
 117.F. *Tricoilocaryon Barnardi* F.v.M. (65. Sapindaceae 119. Burseraceae), NI.
 27.P. *Tricolporites sphaerica* Cookson (Oleaceae), Vk.
 29.P. *Triorites magnificus* Cookson, SI.
 89a.F. *Wilkinsonia bilaminata* F.v.M. (Sapindaceae), NB, NI.
 86.F. *Xylocaryon Lockii* F.v.M. (Olacineae), Vo.

Suggested Identity of Various Australian Tertiary Plants

ALGAE

BACILLARIOPHYCEAE

Pennales

106. *Cymbella* sp., NE.
 106. *Fragilaria* sp., NE.
 106. *Pinnularia* sp., NE.
 106. *Synedra* sp., NE.

CHLOROPHYCEAE

Charales

Characeae

21. Sp. (possibly Pleistocene), WC.

Cladophorales

Cladophoraceae

21. *Cladophora* sp. (possibly Pleistocene), WC.

RHODOPHYCEAE

Cryptonemiales

Coralinaceae

12. *Lithophyllum* sp., Vp.
 12. *Lithothamnion* aff. *lichenioides* Ellis and Solander, Vp.
 12. *L.* sp., Vp.
 11. *L.* sp., TM.

FUNGI

12. Boring Fungus indet., Vp.

PTERIDOPHYTA

FILICINEAE

- 25.P. Sp.

Filicales

- 35.L. Sp., Vu.
 89.L. Sp., NM.

Polypodiaceae

- 96.L. *Polypodium pustulatum* Forst., Vx.

Pteridaceae

- 55.L. *Adiantum* sp., TT.
 96.L. *Pteridium aquilinum* Kuhn, Vx.
 112.L. *Pteris* sp., VT.

LYCOPODINEAE

- 54.L. *Lycopodium* sp., TM.

PTERIDOSPERMAE

- 81.L. *Taeniopteris tenuissima-striata* McCoy (47. *Eucalyptus*), VH, VQ.

GYMNOSPERMAE

- 98a.P. Sp., SK.

CONIFERALES

- 54.L. Sp., Vm.

- Araucariaceae
 33.L. *Dammara* sp., VI.
 Cupressaceae
 53.W. Sp., VM, VP.
 Pinaceae
 55.W. *Pinus* sp., TF.
 109.W. *P.* sp., TX.
 Podocarpaceae
 25.P. Sp.
 96.W. *Dacrydium* sp., Vx.
 14.W. *Mesembrioxylon* sp., VA.
 96.W. *Phyllocladus* sp., Vx.
 33.L. *Podocarpus* sp., VI.
 CYCADALES
 11.F. Sp., Vm.
 GINKGOALES
 81.L. *Salisburia Murrayi* McCoy, VR.
 ANGIOSPERMAE
 MONOCOTYLEDONAE
 10.L. Rush, Vu.
 8.L. Sedge, QJ.
 Cyperaceae
 8.L. *Elcocharis* sp., QH.
 DICOTYLEDONAE
 Aceraceae
 54.L. *Acer* sp., TN.
 78.L. *A.* sp. (47. *Sterculia*), VC.
 Apocynaceae
 14.L. *Apocynophyllum* sp., VI.
 Casuarinaceae
 16.W. *Casuarina* sp., Vn.
 3.W. *C.* sp., VN.
 35.L. *C.* sp., Vu.
 25.P. *C.* sp.
 98a.P. *C.* sp., SK.
 Cunoniaceae
 36.L. *Wcinmannia* sp., NQ.
 Euphorbiaceae
 36.L. *Adriana* sp., NQ.
 Fagaceae
 61.L. *Fagus* sp., TP.
 98.P. *Nothofagus* spp., SG.
 98a.P. *N.* spp., SK.
 50.L. *N.* sp., Vg.
 Lauraceae
 81.L. Sp., VO, VR.
 50.W. *Beilschmiedia* sp., Vg.
 55.L. *Cinnamomum* sp., TU.
 33.L. *C.* sp., Vs.
 93.L. *C.* sp., Vr.
 61.L. *C.* sp., TP.
 78.L. *C.* sp., VC.
 54.L. *Laurus* sp., TN.
 93.L. *L.* sp., Vr.
 61.L. *L.* sp., TP.
 78.L. *L.* sp., VC.
 102a.W. *Prospicctina Harti* Scott, TN.
 102a.W. *P. Keltiei* Scott, TN.
 102a.W. *P. Pasmorei* Scott, TN.
 Leguminosae
 46.W. *Acacia melanoxylon* R.Br., VT.
 55.W. *A.* sp., VM, VP.
 33.L. *A.* sp., VI.
 35.L. *A.* sp., Vu.
 8.L. *A.* sp., QI.
 113F.I. *Eutaxia empetrifolia* Schlech, VX.
 35.L. *Mirbelia* sp., Vu.
 35.L. *Pultcnaca* sp., Vu.
 Magnoliaceae
 61.L. *Magnolia* sp., TP.
 Meliaceae
 36.L. *Amoora* sp., NQ.
 36.L. *Owenia* sp., NQ.
 Monimiaceae
 33.L. *Daphnandra* sp., VI.
 36.L. *Mollinedia* sp., NQ.
 14.L. *M.* sp., VI.
 Moraceae
 81.L. *Ficus Dionysia* Mass., VQ.
 36.L. *F.* sp., NQ.
 35.L. *F.* sp., Vu.
 Myoporaceae
 33.L. *Myoporum* sp., Vs.
 Myrsinaceae
 35.L. *Myrsinc* sp., Vu.
 Myrtaceae
 98a.P. Sp., SK.
 8.L. *Callistemon* sp., QI.
 77.L. *Eucalyptus obliqua* l'Herit, VY.
 8.L. *E. propinqua* Deane and Maid.,
 QH.
 71.L. *E.* sp., VF.
 33.L. *E.* sp., VL, VI.
 8.L. *E.* sp., QH.
 75.L. *E.* sp., TD.
 53.W. *E.* sp., VM, VP.
 107.L. *E.* sp., VT, Vj.
 8.L. *Melaleuca* sp., QI.
 14.L. *Tristanites* sp., VI.
 Platanaceae
 54.L. *Platanus* sp., TN.
 Proteaceae
 98.P. Sp., SG.
 98a.P. Sp., SK.
 99.F. *Banksia* sp., VP.

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| 91.F. <i>B. sp.</i> , VP. | |
| 107.F. <i>B. sp.</i> , VM, VP. | |
| 108.F. <i>B. sp.</i> , VT, Vj. | |
| 76.L. <i>B. sp.</i> , SI. | |
| 55.W. <i>B. sp.</i> , TF. | |
| 23.L. <i>Grevillea sp.</i> , WA. | |
| 33.L. <i>Hakea sp.</i> , VI. | |
| 71.L. <i>Lomatia sp.</i> , VF. | |
| 14.L. <i>L. sp.</i> , VI. | |
| 76.L. <i>Telopea sp.</i> , SI. | |
| | Rubiaceae |
| 36.L. <i>Randia sp.</i> , NQ. | |
| | Rutaceae |
| 36.L. <i>Flindersia sp.</i> , NQ. | |
| | Sapindaceae |
| 59.L. Sp., TT. | |
| 14.L. <i>Nephelites sp.</i> , VI. | |
| | Saxifragaceae |
| 6.W. Sp., NO. | |
| | Solanaceae |
| 55.L. <i>Solanum sp.</i> , TT. | |
| | Sterculiaceae |
| | 36.L. <i>Commersonia sp.</i> , NQ. |
| | 35.L. <i>Lasiopetalum sp.</i> , Vu. |
| | Symplocaceae |
| 119.F. <i>Symplocus sp.</i> , V. | |
| | Thymeliaceae |
| 78.L. <i>Daphnogenia sp.</i> , VC. | |
| | Ulmaceae |
| 54.L. <i>Ulmus sp.</i> , TN. | |
| 55.W. <i>U. sp.</i> , TF. | |
| | Verbenaceae |
| 8.L. <i>Gmelina sp.</i> , QI. | |
| | Vitaceae |
| 36.L. <i>Vitis sp.</i> , NQ. | |
| | SPECIES INCERTAE SEDIS |
| 69.F. <i>Carpolithes (Plesiocapparis)</i>
<i>Clarkii</i> R. M. Johnst., TG. | |
| 81.L. <i>Lastrea Dargoensis</i> McCoy,
VH, VQ. | |

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